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Shluzas et al.

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(54) **POLYAXIAL PEDICLE SCREW**

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See application file for complete search history.

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This patent is subject to a terminal disclaimer.

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(58) **Field of Classification Search**
CPC A61B 17/7032; A61B 17/7035; A61B 17/7037; A61B 2017/00526

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(57) **ABSTRACT**

A polyaxial bone anchor including a housing, a bone screw, and a retainer for pivotably coupling the head of the bone screw to the housing. The retainer is positioned into the bore of the housing and includes a plurality of alternating tabs and slots circumferentially arranged to define a cavity for receiving the head portion of the bone screw therein. The retainer is axially moveable in the housing from a first position in which the head portion is not passable through the lower opening of the retainer to a second position in which the head portion is passable through the lower opening of the retainer.

21 Claims, 16 Drawing Sheets

